AMI	ENDMENT OF SOLICITAT	ION/MODI	IFICA	TION OF CONTRAC	T 1.CON	TRACT ID CODE	PAGE 1 OF 2 PAGE(S)		
2.AMENDM	ENT/MODIFICATION NO.	3.EFFECTIVE	Е	4.REQUISITION/PURCHA	SE 5.PROJ	ECT NO. (if applie	cable)		
ID11150002 /	A A 001	DATE 11/12/2015		REQ.NO. A2473972B					
6. ISSUED B	v	11/12/2013		7. ADMINISTERED BY (If other than Item 6)					
GSA Region 1				Frederick R Thomas 202-719-					
Frederick R T									
	DN, DC 20407-0001								
United States 202-719-2856									
	D ADDRESS OF CONTRACTOR (	No street com	intri Sto	uta and ZIP Coda)	04.41	MENIDMENT OF S	OLICITATION NO.		
KENNETH D		ivo., sireet, cou	inty, Sta	ne and Zir Code)	<del>                                     </del>	TED (SEE ITEM			
DELOITTE C 1725 DUKE S	ONSULTING LLP				-	•	F CONTRACT/ORDER NO.		
1	IA, VA 22314-3456					140ADU204 / GSQ			
United States					I	OF MODIFICATIO	ON: No Funding or POP Date		
703-251-1642					Change:		No Funding of FOP Date		
CODE		FACILITY CO	ODE			ATED (SEE ITEM	11)		
						015 12:00 AM			
	11.THIS ITI	EM ONLY A	APPLI	IES TO AMENDMENT	rs of solici	TATIONS			
The abov	re numbered solicitation is amended a O is not extended.	as set forth in ite	tem 14.	The hour and date specified f	or receipt of Offers				
Offers must a	cknowledge receipt of this amendme	nt prior to the h	hour and	d date specified in the solicita	tion or as amended	, by one of the follo	owing methods:		
By separate le	eting items 8 and 15, and returning _ etter or telegram which includes a ref AT THE PLACE DESIGNATED FO FFER. If by virtue of this amendmen	erence to the so R THE RECEI	olicitation	on and amendment numbers. OFFERS PRIOR TO THE H	FAÎLURE OF YO OUR AND DATE	UR ACKNOWLEI SPECIFIED MAY	OGMENT TO BE RESULT IN REJECTION		
telegram or le	etter makes reference to the solicitation TING AND APPROPRIATION DA	on and this ame	ndment						
	A000 . AA20 . 25 . AF151 . H08		/						
				FO MODIFICATIONS ACT/ORDER NO. AS I			<b>.</b>		
THIS CH	IANGE ORDER IS ISSUED PURSU IN ITEM 10A.	JANT TO: (Spe	ecify Au	uthority) THE CHANGES SE	ET FORTH IN ITE	M 14 ARE MADE	IN THE CONTRACT		
☑ <sub>THE AB</sub>	OVE NUMBERED CONTRACT/OI date, etc.) SET FORTH IN ITEM 14	RDER IS MOD	OIFIED	TO REFLECT THE ADMIN	ISTRATIVE CHA	NGES (such as cha	anges in paying office,		
	PPLEMENTAL AGREEMENT IS I								
OTHER	(Specify type of modification and	authority)							
	TANT: Contractor IS NOT required		ocument	t and return copies to the issu	ing office				
-	TION OF AMENDMENT/MODIFI					contract matter whe	ere feasible )		
	D DATED: 11/12/2015	Proposal Date			idding soficitation/	Order ID: ID111			
	NCE PERIOD FROM:		NCE PERIOD TO:			Desired Delivery Date:			
05/12/2015		05/11/2016				Besired Benvery	<b>Date</b> .		
ITEM	TASK ITEM DESCRIP	TION	PF	REVIOUS MOD	MOD CI	HANGE	NEW MOD		
NO				AMOUNT	AMO	UNT	AMOUNT		
0001	Base Year (Project Management)	(b)	(4)						
0002	Base Year (Budget & Financial Rep	orts							
0003	Base Year (GNMA Economic Repo	ort)							
0004	Base Year (Issuer Economic Report	()							
0005	Base Year (Special Analysis & Budget Support)								
0006									
0007	0007 Base Year (Contractor Access Fee)								
The purpose o	f this modification is to make an admir	nistrative change	e to the	order to change the Ginnie Mac	e technical point of o	contact from Gregor	y Keith to Mingchao Chen.		
This modificat	tion changes Section G.1.1. Contract A	dministration to	read:						
Government T Mingchao Che 550 12th Stree									
Washington D									
Telephone: (20 Email: mingch	02) 475-8761 nao.chen@hud.gov								
All other term	All other terms and conditions remain the same.								

\*\*\*Attention Contractors: The invoice submission functionality within the system is changing to converge and normalize invoice submission across ASSIST. The invoice submission process detailed at the following link supersedes any instructions for interfacing with the system(s) currently in the contract. These revised instructions do not change the frequency, content, supporting documentation requirements, or any other terms and conditions for invoice submission: Invoice Submission Instructions

Upon deployment of the Central Invoice Service, the contractor shall submit invoices electronically by logging into the ASSIST portal (https://portal.fas.gsa.gov), navigating to the appropriate order, and creating the invoice for that order. Upon deployment of the Central Invoice Service, the contractor shall NOT submit any invoices directly to the GSA Finance Center (neither by mail nor via electronic submission).

For additional assistance contact the ASSIST Helpdesk at 877-472-4877. \*\*\*

# FOR INQUIRIES REGARDING PAYMENT CONTACT:

	PRIOR AMOUNT	NEW AMOUNT	INCREASE/DECREASE				
Cost To GSA:	\$2,414,891.00	\$2,414,891.00	\$0.00				
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER(Type or	print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Frederick R Thomas 202-719-2856					
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA Frederick R Thomas	16C. DATE SIGNED 11/12/2015				
(Signature of person authorized to sign)		(Signature of person authorized to sign)					
NSN 7540-01-152-8070 Previous edition unusable		STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243					

AN	MENDMENT OF SOLICITA	FION/MOD	OIFIC	ATION OF CONTRAC		1.CONTR.	ACT ID	PAGE 1 OF 2 PAGE(S)
2.AMENDM ID11150002 /	ENT/MODIFICATION NO. / A O 002	3.EFFECTIV DATE 05/10/2016	Е	4.REQUISITION/PURCHAN REQ.NO. A2473972B	SE 5	5.PROJECT NO. (if applicable)		
6. ISSUED E GSA Region Frederick R T 301 7th St SW WASHINGTO United States 202-719-2856	11 Thomas V ON, DC 20407-0001			7. ADMINISTERED BY (If Frederick R Thomas 202-719-		em 6)		
8.NAME AN	ID ADDRESS OF CONTRACTOR (	No., street, cou	inty. Sta	ite and ZIP Code)	C	9A. AMEN	NDMENT OF	SOLICITATION NO.
KENNETH D	MARSH	,,,		,	-		D (SEE ITEM	
1725 DUKE S	IA, VA 22314-3456				1 (	10A. MOE NO. GS00Q14C	DIFICATION DADU204 / GS MODIFICAT	OF CONTRACT/ORDER SQ1115BJ0018
CODE		FACILITY C	ODE		1	10B. DAT	ED (SEE ITE 5 12:00 AM	M 11)
	11.THIS ITI	EM ONLY	APPLI	IES TO AMENDMENT	S OF SOL	ICITAT	TIONS	
O is extende	ve numbered solicitation is amended and $\circ$ is not extended.							
(a) By compl By separate 1 RECEIVED OF YOUR O telegram or le	Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:  (a) By completing items 8 and 15, and returning _ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment your desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.  12.ACCOUNTING AND APPROPRIATION DATA (If required)							
200F . QTIF	FA000 . AA20 . 25 . AF151 . H08		TEG	EO MODIELGA ELONG	OF COM	UD A CITIC	VODDEDG	
				FO MODIFICATIONS ACT/ORDER NO. AS D				•
THIS CHORDER NO.	HANGE ORDER IS ISSUED PURSU IN ITEM 10A.	JANT TO: (Sp	ecify Au	uthority) THE CHANGES SE	T FORTH IN	ITEM 14	ARE MADE	IN THE CONTRACT
THE AB	OVE NUMBERED CONTRACT/O	RDER IS MOI 4, PURSUANT	OIFIED TO TH	TO REFLECT THE ADMINI IE AUTHORITY OF FAR 43.	STRATIVE ( 103(b).	CHANGE	S (such as cha	nges in paying office,
THIS SU	JPPLEMENTAL AGREEMENT IS I	ENTERED INT	ΓΟ PUR	SUANT TO AUTHORITY O	F:			
OTHER FAR 52.217-	2 (Specify type of modification and 9 Option to Extend the Term of the C	authority) Contract						
E.IMPOR	TANT: Contractor IS NOT require	d to sign this do	ocument	t and return copies to the issuir	ng office.			
14. DESCRI	PTION OF AMENDMENT/MODIFI	CATION (Org	anized l	by UCF section headings, inclu	uding solicitat	tion/contra	act matter whe	re feasible.)
ORDER MO	D DATED: 05/05/2016	Proposal Date	ed: 05/09	9/2016		О	order ID: ID11	150002
PERFORMA 05/12/2015	NCE PERIOD FROM:	PERFORMA 05/11/2017	NCE PE	ERIOD TO:		D	esired Deliver	ry Date:
ITEM NO	TASK ITEM DESCRIF	PTION	P	PREVIOUS MOD AMOUNT	1	CHAN MOUN	I	NEW MOD AMOUNT
0001	Base Year (Project Management)		b) (4)					
0002	Base Year (Budget & Financial Rep	orts						
0003	Base Year (GNMA Economic Repo	rt)						
0004	Base Year (Issuer Economic Report	)						
0005	Base Year (Special Analysis & Bud	get Support)						
0006	Base Year (Financial Reports)							
0007	Base Year (Contractor Access Fee)							
1001	Option Year 1 (Project Managment)							
1002	Option Year 1 (Budget & Financial	Reports)						
1003	Option Year 1 (GNMA Economic R	leports)						
1004	Option Year 1 (Issuer Economic Re	ports)						
1005	Option Year 1 (Special Anaysis & F Support)	Budget						
1006	Option Year 1 (Financial Reports) Option Year 1 (Contractor Access F	ee)						
	1 - ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '							

The purpose of this modification is to realign the CLINs and exercise the Government's unilateral right to exercise an Option in accordance with the contract's clause	FAR
52.217-9. Option to Extend the Term of the Contract.	

This modification hereby:

- 1) Realigns CLIN 1003 and 1006. CLIN 1003 decreases by \$101,129 from \$(6) (4)
- 2) Exercises Option Year 1 with a period of performance of May 12, 2016 through May 11, 2017.
- 3) Obligates funds in the amount (6) (4)
- 4) The total obligated amount of the task order is increased by (b) (4)

All other terms and conditions remain unchanged.

\*\*\*Attention Contractors: The invoice submission functionality within the system is changing to converge and normalize invoice submission across ASSIST. The invoice submission process detailed at the following link supersedes any instructions for interfacing with the system(s) currently in the contract. These revised instructions do not change the frequency, content, supporting documentation requirements, or any other terms and conditions for invoice submission: Invoice Submission Instructions

Upon deployment of the Central Invoice Service, the contractor shall submit invoices electronically by logging into the ASSIST portal (https://portal.fas.gsa.gov), navigating to the appropriate order, and creating the invoice for that order. Upon deployment of the Central Invoice Service, the contractor shall NOT submit any invoices directly to the GSA Finance Center (neither by mail nor via electronic submission).

For additional assistance contact the ASSIST Helpdesk at 877-472-4877. \*\*\*

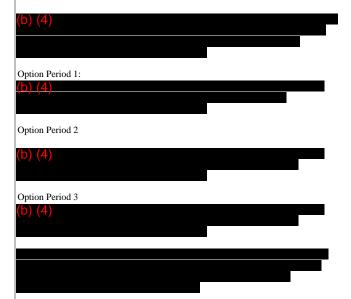
### FOR INQUIRIES REGARDING PAYMENT CONTACT:

**							
	PRIOR AMOUNT	NEW AMOUNT	INCREASE/DECREASE				
Cost To GSA:	\$2,414,891.00	\$4,152,040.00	\$1,737,149.00				
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER(Type or	print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Frederick R Thomas 202-719-2856					
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA Frederick R Thomas	16C. DATE SIGNED 05/10/2016				
(Signature of person authorized to sign)		(Signature of person authorized to sign)					
NSN 7540-01-152-8070 Previous edition unusable		STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243					

AN	MENDMENT OF SOLICITA	TION/MOD	OIFIC	ATION OF CONTRAC		.CONTRA	ACT ID	PAGE 1 OF 2 PAGE(S)
2.AMENDM ID11150002	IENT/MODIFICATION NO. / A S 003	3.EFFECTIV DATE 03/23/2017	Е	4.REQUISITION/PURCHAS REQ.NO. A2473972B	SE 5	5.PROJECT NO. (if applicable)		
6. ISSUED F GSA Region Frederick R T 301 7th St SV WASHINGT United States 202-719-2856	11 Chomas V ON, DC 20407-0001			7. ADMINISTERED BY (If Frederick R Thomas 202-719-		m 6)		
8.NAME AN	ND ADDRESS OF CONTRACTOR (	No., street, cou	intv. Sta	ite and ZIP Code)	9	A. AMEN	DMENT OF	SOLICITATION NO.
KENNETH D	MARSH	,,	.,,	,	<b>⊢</b>		D (SEE ITEM	
1919 N Lynn	A 22209-1742				1 N C	.0A. MODI NO. GS00Q14O	IFICATION ( ADU204 / GS MODIFICATI	OF CONTRACT/ORDER Q1115BJ0018
CODE		FACILITY C	ODE			0B. DATE 05/10/2016	ED (SEE ITEN 12:00 AM	M 11)
	11.THIS IT	EM ONLY	APPL	IES TO AMENDMENT	S OF SOL	ICITAT	IONS	
O is extende	ve numbered solicitation is amended od O is not extended.							
Offers must a	acknowledge receipt of this amendme	ent prior to the	hour and	d date specified in the solicitati	ion or as amer	nded, by on	ne of the follo	wing methods:
By separate I RECEIVED OF YOUR C telegram or I	(a) By completing items 8 and 15, and returning _ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment your desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
	NTING AND APPROPRIATION DA FA000 . AA20 . 25 . AF151 . H08		1)					
				TO MODIFICATIONS ACT/ORDER NO. AS D				
THIS CHORDER NO	HANGE ORDER IS ISSUED PURSU . IN ITEM 10A.	JANT TO: (Sp	ecify A	uthority) THE CHANGES SE	T FORTH IN	ITEM 14 A	ARE MADE I	N THE CONTRACT
THE AB	BOVE NUMBERED CONTRACT/On date, etc.) SET FORTH IN ITEM 1	RDER IS MOI 4, PURSUANT	OIFIED TO TH	TO REFLECT THE ADMINI IE AUTHORITY OF FAR 43.	STRATIVE C 103(b).	CHANGES	(such as char	nges in paying office,
THIS SU FAR 52.212-	JPPLEMENTAL AGREEMENT IS 4, Contract Terms and Conditions	ENTERED INT	TO PUR	SUANT TO AUTHORITY O	F:			
OTHER	R (Specify type of modification and	authority)						
	TANT: Contractor IS required to s		ont and	roturn copies to the issuing off	in a			
	PTION OF AMENDMENT/MODIF					ion/contrac	et matter when	ra fassible )
	D DATED: 03/17/2017	Proposal Date		•	dunig solicitat			
	ANCE PERIOD FROM:	PERFORMA				Order ID: ID11150002  Desired Delivery Date:		
05/12/2015		05/11/2017					ooned Benver	, Buter
ITEM NO	TASK ITEM DESCRI	PTION	F	PREVIOUS MOD AMOUNT		CHAN	I .	NEW MOD AMOUNT
0001	Base Year (Project Management)		b) (4)					
0002	Base Year (Budget & Financial Rep	orts						
0003	Base Year (GNMA Economic Repo	rt)						
0004	Base Year (Issuer Economic Report	)						
0005	Base Year (Special Analysis & Bud	get Support)						
0006	Base Year (Financial Reports)							
0007	Base Year (Contractor Access Fee)							
1001	Option Year 1 (Project Managment	)						
1002	Option Year 1 (Budget & Financial	Reports)						
1003 Option Year 1 (GNMA Economic Reports)								
1004	Option Year 1 (Issuer Economic Re	ports)						
1005	Option Year 1 (Special Anaysis & I Support)	Budget						
1006	Option Year 1 (Financial Reports)  Option Year 1 (Contractor Access F	ee)						
- · · ·	1	.,						

The purpose of this modification is to realign the ceiling of the task order, obligate additional funding to Option Period 1, and revise the Contract Access Fee (CAF) for the task order. The level of effort in the Base Period decreased for CLIN 0004, CLIN 0005, and CLIN 0006. The level of effort in Option Period 1 of CLIN 1005 and CLIN 1006, in Option Period 2 of CLIN 2005 and CLIN 2006, in Option Period 3 of CLIN 3005 and CLIN 3006 will be increased and the level of effort in Option Period 4 CLIN 4004, CLIN 4005 and CLIN 4006 will be decreased. The CAF will change from 0.75% to 0.1% for the entire period of performance. The Base Year and Option Period One CAF fee will be processed in a separate modification after a refund of the Base Year and Option Period One CAF has been processed. The CLINs are realigned as follows:

Base Year



AS a result of the above the obligated amount for Option Period 1 increasing by a total of (1) (4) and the obligated amount for the Base Year decreased by (1) (4) result the current task order increased by (6) (4) and the total obligated amount is (6) (4)

As a result of this modification, the total amount of the order is changed from \$(6) (4)

All other terms and conditions remain unchanged.

\*\*\*Attention Contractors: The invoice submission functionality within the system is changing to converge and normalize invoice submission across ASSIST. The invoice submission process detailed at the following link supersedes any instructions for interfacing with the system(s) currently in the contract. These revised instructions do not change the frequency, content, supporting documentation requirements, or any other terms and conditions for invoice submission: Invoice Submission Instructions

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For additional assistance contact the ASSIST Helpdesk at 877-472-4877. \*\*\*

# FOR INQUIRIES REGARDING PAYMENT CONTACT:

GSA Finance Customer Support 816-926-7287

NSN 7540-01-152-8070

Previous edition unusable

	PRIOR AMOUNT	NEW AMOUNT	INCREASE/DECREASE					
Cost To GSA:	\$4,152,040.00	\$4,281,814.25 \$129,						
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.								
15A. NAME AND TITLE OF SIGNER(Type or KENNETH D MARSH	print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Frederick R Thomas 202-719-2856						
15B. CONTRACTOR/OFFEROR KENNETH D MARSH	15C. DATE SIGNED 03/23/2017	16B. UNITED STATES OF AMERICA Frederick R Thomas	16C. DATE SIGNED 03/23/2017					
(Signature of person authorized to sign)		(Signature of person authorized to sign)						

STANDARD FORM 30 (REV. 10-83)

Prescribed by GSA FAR (48 CFR) 53.243

AN	MENDMENT OF SOLICITA	ATION/MOD	IFICA	ATION OF CONTRACT		CONTRACT ID DDE	PAGE 1 OF 2 PAGE(S)	
2.AMENDM ID11150002	IENT/MODIFICATION NO. / A O 004	3.EFFECTIVE DATE 05/11/2017	Е	4.REQUISITION/PURCHAS REQ.NO. A2473972B	SE 5.F	5.PROJECT NO. (if applicable)		
6. ISSUED F GSA Region Frederick R T 301 7th St SV WASHINGT United States 202-719-2856	11 Chomas V ON, DC 20407-0001			7. ADMINISTERED BY (If Frederick R Thomas 202-748-		6)		
8 NAME AN	ND ADDRESS OF CONTRACTOR	(No street con	ntv Stat	te and ZIP Code)	9A	AMENDMENT C	F SOLICITATION NO.	
KENNETH I	MARSH	(,,	, , ~		_	. DATED (SEE ITE		
1919 N Lynn	A 22209-1742				10. NC GS TY	A. MODIFICATION	N OF CONTRACT/ORDER GSQ1115BJ0018	
CODE		FACILITY CO	ODE		1 1	B. DATED (SEE IT 23/2017 12:00 AM	EM 11)	
	11.THIS I	TEM ONLY A	APPLI	ES TO AMENDMENT	S OF SOLIC	CITATIONS		
O is extende	ve numbered solicitation is amende ed O is not extended.						lowing methods:	
By separate I RECEIVED OF YOUR C telegram or I 12.ACCOUN	leting items 8 and 15, and returning letter or telegram which includes a LAT THE PLACE DESIGNATED INFER. If by virtue of this amendmetter makes reference to the solicitation of the solic	eference to the so FOR THE RECEI ent your desire to tion and this ame ATA (If required	olicitation PT OF (change) Indment,	on and amendment numbers. F OFFERS PRIOR TO THE HC an offer already submitted, su	AILURE OF Y OUR AND DAT ich change may	OUR ACKNOWLE E SPECIFIED MA be made by telegra	DGMENT TO BE Y RESULT IN REJECTION	
	13.THIS ITEM	ONLY APPI	LIES T	O MODIFICATIONS	OF CONTR	ACTS/ORDER	S.	
				CT/ORDER NO. AS DI				
	HANGE ORDER IS ISSUED PUR . IN ITEM 10A.	SUANT TO: (Spe	ecify Au	thority) THE CHANGES SET	Γ FORTH IN IT	EM 14 ARE MAD	E IN THE CONTRACT	
THE AE	BOVE NUMBERED CONTRACT/ n date, etc.) SET FORTH IN ITEM	ORDER IS MOD 14, PURSUANT	IFIED TO TH	TO REFLECT THE ADMINIS E AUTHORITY OF FAR 43.	STRATIVE CH 103(b).	IANGES (such as ch	nanges in paying office,	
LI THIS SU	JPPLEMENTAL AGREEMENT IS	ENTERED INT	O PUR	SUANT TO AUTHORITY O	F:			
OTHER FAR 52.217-	R (Specify type of modification an 9, Option to Extend the Term of th	d authority) e Contract						
E.IMPOR	TANT: Contractor IS NOT require	ed to sign this do	cument	and return copies to the issuin	g office.			
14. DESCRI	PTION OF AMENDMENT/MODI	FICATION (Orga	anized b	y UCF section headings, inclu	ding solicitatio	n/contract matter wl	nere feasible.)	
ORDER MO	DD DATED: 04/19/2017	Proposal Date	d: 04/19	4/19/2017 Order ID: ID11150002			1150002	
PERFORMA 05/12/2015	ANCE PERIOD FROM:	PERFORMAN 05/11/2018	NCE PE	RIOD TO:		Desired Deliv	ery Date:	
ITEM NO	TASK ITEM DESCR	IPTION	Р	REVIOUS MOD AMOUNT		CHANGE IOUNT	NEW MOD AMOUNT	
0001	Base Year (Project Management)		(b) (4					
0002	Base Year (Budget & Financial R	eports						
0003	Base Year (GNMA Economic Re	oort)						
0004	Base Year (Issuer Economic Repo	rt)						
0005	Base Year (Special Analysis & Bu	dget Support)						
0006	Base Year (Financial Reports)							
0007	Base Year (Contractor Access Fee	)						
1001	Option Year 1 (Project Managmen	nt)						
1002	Option Year 1 (Budget & Financia	al Reports)						
1003	Option Year 1 (GNMA Economic							
1004	Option Year 1 (Issuer Economic I							
1005	Option Year 1 (Special Anaysis & Support)							
1006	Option Year 1 (Financial Reports)							
1007	Option Year 1 (Contractor Access	ree)						

Option Year 2 (Project Management)	(b) (4)		
Option Year 2 (Budget & Financial Reports)			
Option Year 2 (GNMA Economic Report)			
Option Year 2 (Issuer Economic Reports)			
Option Year 2 (Special Analysis & Budget Support)			
Option Year 2 (Finanical Reports)			
Option Year 2 (Contractor Access Fee)			
	Option Year 2 (Project Management) Option Year 2 (Budget & Financial Reports) Option Year 2 (GNMA Economic Report) Option Year 2 (Issuer Economic Reports) Option Year 2 (Special Analysis & Budget Support) Option Year 2 (Finanical Reports) Option Year 2 (Contractor Access Fee)	Option Year 2 (Budget & Financial Reports)  Option Year 2 (GNMA Economic Report)  Option Year 2 (Issuer Economic Reports)  Option Year 2 (Special Analysis & Budget Support)  Option Year 2 (Financial Reports)	Option Year 2 (Budget & Financial Reports) Option Year 2 (GNMA Economic Report) Option Year 2 (Issuer Economic Reports) Option Year 2 (Special Analysis & Budget Support) Option Year 2 (Financial Reports)

The purpose of this modification is to exercise the Government's unilateral right to exercise an Option in accordance with the contract's clause FAR 52.217-9, Option to Extend the Term of the Contract.

This modification hereby:

- 1) Exercises Option Year II with a period of performance of May 12, 2017 through May 11, 2018.
- 3) Obligates funds in the amount of \$2,192,185.00 to Option Year II.
- 4) The total obligated amount of the task order is increased by \$2,192,185.00 from \$4,281,814.25 to \$6,473,999.25.

All other terms and conditions remain unchanged.

\*\*\*Attention Contractors: The invoice submission functionality within the system is changing to converge and normalize invoice submission across ASSIST. The invoice submission process detailed at the following link supersedes any instructions for interfacing with the system(s) currently in the contract. These revised instructions do not change the frequency, content, supporting documentation requirements, or any other terms and conditions for invoice submission: Invoice Submission Instructions

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For additional assistance contact the ASSIST Helpdesk at 877-472-4877. \*\*\*

#### FOR INQUIRIES REGARDING PAYMENT CONTACT:

GSA Finance Customer Support 810-920-7287						
	PRIOR AMOUNT	NEW AMOUNT INCREASE/D				
Cost To GSA:	\$4,281,814.25	\$6,473,999.25 \$2,192,1				
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.						
15A. NAME AND TITLE OF SIGNER(Type or	print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Frederick R Thomas 202-748-7062				
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA Frederick R Thomas	16C. DATE SIGNED 04/20/2017			
(Signature of person authorized to sign) NSN 7540-01-152-8070 Previous edition unusable		(Signature of person authorized to sign)  STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.242				

AN	MENDMENT OF SOLICITA	TION/MOD	IFIC	ATION OF CONTRACT		CONTRACT ID	PAGE 1 OF 2
2 4 3 (FENTS) /	TENERA (ODJETCA TRONINO		4 PEOUNGENON BURGHAS		ODE CENTRAL CE	PAGE(S)	
2.AMENDM ID11150002	IENT/MODIFICATION NO. / P O 005	3.EFFECTIVE DATE 03/16/2018	5	4.REQUISITION/PURCHAS REQ.NO. A2473972B	SE   5.	PROJECT NO. (if a	oplicable)
6. ISSUED E	BY			7. ADMINISTERED BY (If	other than Item	n 6)	
GSA Region Frederick R T				Frederick R Thomas 202-719-2	2856		
301 7th St SV							
	ON, DC 20407-0001						
United States 202-719-2856							
8.NAME AN	ND ADDRESS OF CONTRACTOR	No., street, cou	nty, Sta	ite and ZIP Code)	94	A. AMENDMENT C	OF SOLICITATION NO.
KENNETH D	MARSH			,	91	B. DATED (SEE ITI	EM 11)
1919 N Lynn	CONSULTING LLP St				10	A. MODIFICATIO	N OF CONTRACT/ORDER
Arlington, VA	A 22209-1742				N	0.	
United States 703-251-1642						S00Q14OADU204 / 0 YPE OF MODIFICA	
703 231 1012	-					Amount Change	
CODE		FACILITY CO	ODE		I .	B. DATED (SEE IT -/20/2017 12:00 AM	EM 11)
	11.THIS IT	EM ONLY A	PPL	IES TO AMENDMENTS	S OF SOLI	CITATIONS	
П							
O is extende	we numbered solicitation is amended by $O$ is not extended.	as set forth in it	em 14.	The hour and date specified for	r receipt of Of	fers	
Offers must a	acknowledge receipt of this amendme	ent prior to the h	our and	d date specified in the solicitati	on or as amen	ded, by one of the fo	llowing methods:
(a) Pri compl	leting items 8 and 15, and returning	conice of the e	mandm	anti (h) Pri a dinaviladaina raas	aint of this one	andmont on each cor	y of the offer submitted; or (a)
	letter or telegram which includes a re						
	AT THE PLACE DESIGNATED FO						
	OFFER. If by virtue of this amendment of the solicitation of the s						m or letter, provided each
	NTING AND APPROPRIATION DA			· · · · · ·			
285F . Q11F	A000 . AA20 . 25 . AF151 . H08						
				FO MODIFICATIONS ( ACT/ORDER NO. AS DI			S.
THIS CH	HANGE ORDER IS ISSUED PURS	UANT TO: (Spe	ecify Au	uthority) THE CHANGES SET	Γ FORTH IN I	ΓΕΜ 14 ARE MAD	E IN THE CONTRACT
ORDER NO	. IN ITEM 10A.						
THE AB	OVE NUMBERED CONTRACT/O	RDER IS MOD	IFIED	TO REFLECT THE ADMINIS	STRATIVE CI	HANGES (such as c	hanges in paying office,
appropriation	n date, etc.) SET FORTH IN ITEM 1	4, PURSUANT	10 TH	IE AUTHORITY OF FAR 43.	103(b).		
☐ THIS SU	JPPLEMENTAL AGREEMENT IS	ENTERED INT	O PUR	SUANT TO AUTHORITY OF	F:		
OTHER FAR 52.212-	R (Specify type of modification and 4, Contract Terms and Conditions	authority) Commercial Ite	ems				
	TANT: Contractor IS required to s			return copies to the issuing offi	ice		
	PTION OF AMENDMENT/MODIF					on/contract matter w	here feasible )
	DD DATED: 08/28/2017	Proposal Date		•	ding sonetain	Order ID: ID	
	ANCE PERIOD FROM:	PERFORMAN				Desired Delivery Date:	
05/12/2015	n (ed rango ritonii	05/11/2018	, ob it			Besired Ben	ci) zac.
ITEM	TASK ITEM DESCRI	PTION	F	PREVIOUS MOD	MOD	CHANGE	NEW MOD
NO				AMOUNT	AN	MOUNT	AMOUNT
0001	Base Year (Project Management)		b) (4)				
0002	Base Year (Budget & Financial Rep	oorts					
0003	Base Year (GNMA Economic Repo	ort)					
0004 Base Year (Issuer Economic Report)							
0005	Base Year (Special Analysis & Budget Support)						
0006	Base Year (Financial Reports)						
0007	Base Year (Contractor Access Fee)						
1001	Option Year 1 (Project Managment	)					
1002	Option Year 1 (Budget & Financial	Reports)					
1003 Option Year 1 (GNMA Economic Reports)							
1004	Option Year 1 (Issuer Economic Re	eports)					
1005	Option Year 1 (Special Anaysis & Support)	Budget					
1006	Option Year 1 (Financial Reports)						
1007	Option Year 1 (Contractor Access I	Fee)					
П							_

2001	Option Year 2 (Project Management)	(b) (4)	
2002	Option Year 2 (Budget & Financial Reports)		
2003	Option Year 2 (GNMA Economic Report)		
2004	Option Year 2 (Issuer Economic Reports)		
2005	Option Year 2 (Special Analysis & Budget Support)		
2006	Option Year 2 (Finanical Reports)		
2007	Option Year 2 (Contractor Access Fee)		
TOIL			

The purpose of this modification is to update the CAF fee for the ba

has decreased by \$15,746.96 from \$17,977.00 to \$2,230.04 and the Option Period I CAF Fee CLIN 1007 has decreased by \$10,911.00 from \$12,932.00 to \$2,021.00. As a result the total contract obligated amount has decreased by \$26,657.96 from \$6,473,999.25 to \$6,447,341.29.

All other terms and conditions remain unchanged.

\*\*\*Attention Contractors: The invoice submission functionality within the system is changing to converge and normalize invoice submission across ASSIST. The invoice submission process detailed at the following link supersedes any instructions for interfacing with the system(s) currently in the contract. These revised instructions do not change the frequency, content, supporting documentation requirements, or any other terms and conditions for invoice submission: Invoice Submission Instructions

Upon deployment of the Central Invoice Service, the contractor shall submit invoices electronically by logging into the ASSIST portal (https://portal.fas.gsa.gov), navigating to the appropriate order, and creating the invoice for that order. Upon deployment of the Central Invoice Service, the contractor shall NOT submit any invoices directly to the GSA Finance Center (neither by mail nor via electronic submission).

For additional assistance contact the ASSIST Helpdesk at 877-472-4877. \*\*\*

### FOR INQUIRIES REGARDING PAYMENT CONTACT:

GSA Finance Customer Support 816-926-7287

Previous edition unusable

	PRIOR AMOUNT	NEW AMOUNT	INCREASE/DECREASE	
Cost To GSA:	\$6,473,999.25	\$6,447,341.29	(\$26,657.96)	
Except as provided herein, all terms and condition effect.	ons of the document refe	renced in Item 9A or 10A, as heretofore changed, remains unc	changed and in full force and	
15A. NAME AND TITLE OF SIGNER(Type or print) KENNETH D MARSH		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Frederick R Thomas 202-719-2856		
15B. CONTRACTOR/OFFEROR KENNETH D MARSH	15C. DATE SIGNED 03/20/2018	16B. UNITED STATES OF AMERICA 16C. DA Frederick R Thomas 03/20/201		
(Signature of person authorized to sign)		(Signature of person authorized to sign)		
NSN 7540-01-152-8070		STANDARD FORM 30 (REV. 10-83)		

Prescribed by GSA FAR (48 CFR) 53.243

AN	MENDMENT OF SOLICITA	TION/MODIE	TICATION OF CONTRAC	T 1.CON	TRACT ID	PAGE 1 OF 2 PAGE(S)		
2.AMENDM ID11150002	IENT/MODIFICATION NO. / P O 006	3.EFFECTIVE DATE 04/26/2018	4.REQUISITION/PURCHAS REQ.NO. A2473972B	SE 5.PRO	5.PROJECT NO. (if applicable)			
6. ISSUED F GSA Region Frederick R T 301 7th St SV WASHINGT United States 202-719-2856	11 Chomas V ON, DC 20407-0001		7. ADMINISTERED BY (If Frederick R Thomas 202-748-					
8.NAME AN	ND ADDRESS OF CONTRACTOR (	No., street, county	, State and ZIP Code)	9A. Al	MENDMENT OF	SOLICITATION NO.		
KENNETH D	D MARSH		,	9B. DA	ATED (SEE ITEM	111)		
1919 N Lynn Arlington, VA United States	DELOITTE CONSULTING LLP 1919 N Lynn St Arlington, VA 22209-1742 United States 703-251-1642					10A. MODIFICATION OF CONTRACT/ORDER NO. GS00Q14OADU204 / GSQ1115BJ0018 TYPE OF MODIFICATION: A. Amount Change		
CODE					10B. DATED (SEE ITEM 11) 03/20/2018 12:00 AM			
	11.THIS IT	EM ONLY AP	PLIES TO AMENDMENT	S OF SOLICIT	ATIONS			
The above O is extended	The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers  O is extended.							
Offers must a	acknowledge receipt of this amendme	ent prior to the hou	ar and date specified in the solicitati	ion or as amended, l	by one of the follo	owing methods:		
(a) By completing items 8 and 15, and returning _ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment your desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.  12.ACCOUNTING AND APPROPRIATION DATA (If required)								
285F . Q11F	FA000 . AA20 . 25 . AF151 . H08			07 C01 M7 1 C				
13.THIS ITEM ONLY APPLIES TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.								
THIS CHORDER NO	THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify Authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
appropriation	THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).							
☐ THIS SU	JPPLEMENTAL AGREEMENT IS	ENTERED INTO	PURSUANT TO AUTHORITY O	F:				
OTHER FAR 52.217-	OTHER (Specify type of modification and authority)  FAR 52.217-9, Option to Extend the Term of the Contract							
E.IMPOR	TANT: Contractor IS NOT require	d to sign this docu	ment and return copies to the issuir	ng office.				
14. DESCRI	PTION OF AMENDMENT/MODIF	CATION (Organi	zed by UCF section headings, inclu	iding solicitation/co	ntract matter whe	re feasible.)		
ORDER MO	DD DATED: 04/25/2018	Proposal Dated:	04/25/2018	5/2018 Order ID: ID11150002		150002		
PERFORMA 05/12/2015	PERFORMANCE PERIOD FROM: PERFORMAN		PERIOD TO:		Desired Delivery Date:			
ITEM NO	TASK ITEM DESCRI	PTION	PREVIOUS MOD AMOUNT	MOD CH AMOI		NEW MOD AMOUNT		
0001	Base Year (Project Management)		(4)					
0002	Base Year (Budget & Financial Reports							
0003	Base Year (GNMA Economic Report)							
0004	Base Year (Issuer Economic Report							
0005 Base Year (Special Analysis & Budget Support)								
0006	Base Year (Financial Reports)							
0007	Base Year (Contractor Access Fee)							
1001	Option Year 1 (Project Managment)							
1002	Option Year 1 (Budget & Financial							
1003	Option Year 1 (GNMA Economic Reports)							
1004	Option Year 1 (Issuer Economic Reports)							
1005	Support)							
1006	Option Year 1 (Financial Reports)	7						
1007	Option Year 1 (Contractor Access I	ree)						

2001	Option Year 2 (Project Management)
2002	Option Year 2 (Budget & Financial Reports)
2003	Option Year 2 (GNMA Economic Report)
2004	Option Year 2 (Issuer Economic Reports)
2005	Option Year 2 (Special Analysis & Budget Support)
2006	Option Year 2 (Finanical Reports)
2007	Option Year 2 (Contractor Access Fee)
3001	Option Year 3 (Project Management)
3002	Option Year 3 (Budget & Financial Reports)
3003	Option Year 3 (GNMA Economic Report)
3004	Option Year 3 (Issuer Economic Reports)
3005	Option Year 3 (Special Analysis & Budget Support)
3006	Option Year 3 (Financial Reports)
3007	Option Year 3 (Contractor Access Fee)
	_ ·

The purpose of this modification is to exercise the Government's unilateral right to exercise an Option in accordance with the contract's clause FAR 52.217-9, Option to Extend the Term of the Contract.

This modification hereby:

- 1) Exercises Option Year III with a period of performance of May 12, 2018 through May 11, 2019.
- 3) Obligates funds in the amount of \$2,252,735.00 to Option Year III.
- 4) The total obligated amount of the task order is increased by \$2,252,735.00 from \$6,447,341.29 to \$8,700,076.29.

All other terms and conditions remain unchanged.

\*\*\*Attention Contractors: The invoice submission functionality within the system is changing to converge and normalize invoice submission across ASSIST. The invoice submission process detailed at the following link supersedes any instructions for interfacing with the system(s) currently in the contract. These revised instructions do not change the frequency, content, supporting documentation requirements, or any other terms and conditions for invoice submission: Invoice Submission Instructions

Upon deployment of the Central Invoice Service, the contractor shall submit invoices electronically by logging into the ASSIST portal (https://portal.fas.gsa.gov), navigating to the appropriate order, and creating the invoice for that order. Upon deployment of the Central Invoice Service, the contractor shall NOT submit any invoices directly to the GSA Finance Center (neither by mail nor via electronic submission).

For additional assistance contact the ASSIST Helpdesk at 877-472-4877. \*\*\*

#### FOR INQUIRIES REGARDING PAYMENT CONTACT:

PRIOR AMOUNT		NEW AMOUNT	INCREASE/DECREASE				
Cost To GSA:	\$6,447,341.29	\$8,700,076.29	\$2,252,735.00				
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER(Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Frederick R Thomas 202-748-7062					
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA Frederick R Thomas	16C. DATE SIGNED 04/26/2018				
(Signature of person authorized to sign)		(Signature of person authorized to sign)					
NSN 7540-01-152-8070 Previous edition unusable		STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243					

NOTE: The Section numbers in this TO correspond to the Section numbers in the OASIS Contract. Section C of the contractor's OASIS Contract is applicable to this TO and is hereby incorporated by reference. In addition, the following applies:

#### C.1 BACKGROUND

The Government National Mortgage Association (Ginnie Mae) is a government-owned corporation within the U.S. Department of Housing and Urban Development. Its mission and purpose is to bring global capital into the housing finance system – a system that runs through the core of our Nation's economy – while minimizing risk to the taxpayers. Established by Congress in 1968, Ginnie Mae's statutory purpose is to ensure that adequate capital is available to finance affordable single family homes and rental housing and to provide liquidity in times of economic stress. Ginnie Mae does not originate mortgage loans, nor does it buy or sell securities or loans for investment purposes. Rather, it guarantees investors the timely payment of principal and interest on securities backed by loans insured or guaranteed by other Federal Government housing agencies.

Ginnie Mae prepares its budget in accordance with the Office of Management and Budget (OMB) Circular A-11 requirements and also is required to meet the requirements of the Federal Credit Reform Act (FCRA) and the Government Performance and Results Act (GPRA).

### C.1.1 PURPOSE

The primary purpose of this acquisition is to obtain contractor support to assist Ginnie Mae in enhancing its Valuation Modeling and Policy Guidance for continuing support in the areas of budget preparation, presentation, justification, and execution.

#### C.1.2 AGENCY MISSION

Ginnie Mae is a wholly owned corporate instrumentality of the United States within the Department of Housing and Urban Development (HUD). Its authority is generally prescribed in Title III of the National Housing Act, as amended (12 U.S.C. 1716 et seq.). Through its Mortgage Backed Securities (MBS) programs, Ginnie Mae guarantees privately issued securities backed by pools of mortgages insured or guaranteed by the Federal Housing Administration (FHA), the Department of Veterans Affairs (VA), the Rural Housing Service of the Department of Agriculture (RHS), or HUD's Native American Program (PIH). Ginnie Mae guarantees the registered holder of the securities the timely payment of scheduled monthly principal and interest payments, loan prepayments and early recoveries of principal on the underlying mortgages.

#### C.2 SCOPE

The Contractor shall provide support services in the area of project management, budget reporting, financial reporting and econometric reporting.

#### C.3. TASKS

# C.3.1. Task 1 - Program Management Support

# C.3.1.1 Subtask 1 - Kick-Off Meeting

The contractor shall participate in a Government-scheduled, Kick-Off Meeting after task order award. Key prime contractor and any subcontractor personnel shall participate in the Kick-Off Meeting. The purpose of this Kick-Off Meeting is to (1) aid both the Government and contractor personnel in achieving a clear and mutual understanding of all requirements, and (2) identify and resolve potential problems. The contractor shall be prepared to discuss any issues and gather information necessary for the Project Management Plan and Transition Plan. The Government and contractor will schedule the Kick-Off Meeting within 7 days after task order award.

# C.3.1.2 Subtask 2 - Project Management Plan

The contractor shall develop and maintain, throughout the task order period of performance, a Project Management Plan (PMP) that shall be used as a foundation for information and resource management planning. The contractor shall deliver the PMP to the Government within 15 work days after Task Order award.

# C.3.1.3 Subtask 3 - Monthly Progress Report (MPR)

The Contractor shall ensure that a Monthly Progress Report (MPR) is submitted outlining the expenditures, billings, technical progress, status, and any problems/ issues encountered in the performance of this effort. The Contractor shall require all subcontractors to provide input to the MPR where there are critical or significant tasks related to the prime contract. Critical or significant tasks shall be defined by mutual agreement between the Government and Contractor.

### C.3.1.4 Subtask 4 - Quality Assurance Surveillance Plan (QASP)

The Government may use a Quality Assurance Surveillance Plan (QASP) to monitor the quality of the Contractor's performance. The oversight provided for in the contract/order and in the QASP will help to ensure that service levels reach and maintain the required levels throughout the contract/order term. Further, the QASP provides the Government Technical Representative (GTR) with a proactive way to deter unacceptable or deficient performance and provides verifiable input for the required Past Performance Information Assessments. A draft QASP shall accompany any proposal submitted in response to this SOO. The QASP will be finalized immediately following award and a copy provided to the Contractor after award. The QASP is a living document and may be updated by the Government as necessary.

# C.3.2. Task 2 - Budget, Financial Reports

# C.3.2.1 Subtask 1 - Credit Subsidy Calculations

The contractor shall retrieve the data necessary for the Credit Subsidy valuations from GNMA's pool-processor and/or mortgage backed securities administrators among other sources. The credit subsidy calculation consists of the present value of expected guarantee fees for loans in GNMA pools. This data will include outstanding principal balances of both forward and reverse,

multifamily and manufactured housing mortgages, servicing fees and expenses, loan terms, escrow balances, and other elements necessary for G-Fee valuations as required by the Federal Credit Reform Act ("FCRA") and OMB.

The contractor will perform quality control checks on the data received to ensure data integrity. In the event of data anomalies, the contractor will work iteratively with the data provider and GNMA by providing feedback on the data anomalies. The contractor will prepare the data for use in the calculations by performing "data-scrubbing" and other error-correction techniques. The Contractor shall prepare and deliver a draft and final annual report that produces the cash flows required for the credit subsidy calculations as required by FCRA and OMB. The contractor will incorporate the loss-given-default and counterparty default probabilities provided by GNMA for the production of the finalized cash flows.

# C.3.3. Task 3 -GNMA Econometric Reports

#### C.3.3.1 Subtask 1 - MSR Valuations

The contractor shall retrieve the data necessary for the valuation of GNMA's owned MSRs from GNMA's master-sub-servicers and other sources. This data will include outstanding principal balances of forward and reverse, multifamily and manufactured housing mortgages, servicing fees and expenses, loan terms, escrow balances, and other elements necessary for MSR valuations as required by industry standards.

The contractor will perform quality control checks on the data received to ensure data integrity. In the event of data anomalies, the contractor will work with iteratively with the data provider and GNMA by providing feedback on the data anomalies. The contractor will prepare the data for use in the calculations by performing "data-scrubbing" and other error-correction techniques. The contractor will use any of a variety of industry standard MSR valuation methodologies, such as option-adjusted-spread or static cash flow approaches to value the MSR. The contractor shall prepare and deliver a draft and final quarterly report that details the procedures performed, valuation methodologies applied, key assumptions utilized and any documentation necessary for ongoing audits. These MSR valuations should include Forward Mortgage, Reverse Mortgage, Multi-family, and Manufactured Housing MSR holdings. These valuations shall include servicing fee income, ancillary income, including late fee and float income, and any offsetting cost components.

### C.3.4. Task 4 – Issuer Econometric Reports

## C.3.4.1. Subtask 1 – MSR Valuations

The contractor shall retrieve the data necessary for the valuation of GNMA's Issuer's MSRs from GNMA and other sources for Issuer portfolios when a valuation is requested by the contracting officer. These requests will be ad hoc as needed by GNMA. This data will include outstanding principal balances of forward and reverse, multifamily and manufactured housing mortgages, servicing fees and expenses, loan terms, escrow balances, and other elements necessary for MSR valuations as required by industry standards.

The contractor will perform quality control checks on the data received to ensure data integrity. In the event of data anomalies, the contractor will work with iteratively with the data provider and GNMA by providing feedback on the data anomalies. The contractor will prepare the data for use in the calculations by performing "data-scrubbing" and other error-correction techniques. The contractor will use any of a variety of industry standard MSR valuation methodologies, such as option-adjusted-spread or static cash flow approaches to value the MSR.

The contractor shall prepare and deliver draft and final reports that detail the procedures performed, valuation methodologies applied, key assumptions utilized and any documentation necessary for ongoing audits. These MSR valuations should include Forward Mortgage, Reverse Mortgage, Multi-family, and Manufactured Housing MSR holdings. These valuations should include servicing fee income, ancillary income, including late fee and float income, and any offsetting cost components.

## C.3.5. Task 5 – Special Analysis/Budget

# C.3.5.1. Subtask 1 - Development of Econometric Models

The Contractor shall develop econometric models, as requested by Ginnie Mae (allowing Ginnie Mae access to models and the ability to access and test such models) according to modeling best practices and compliant with FASAB econometric model development standards.

# C.3.5.2. Subtask 2 - Advisory services in the area of financial economics.

The Contractor shall provide ad-hoc reports and services to assist in the development of valuation and other models as required by GNMA's Office of Enterprise Risk. These services are on-call services to develop, as directed by GNMA, predictive models which rely on statistical and econometric techniques.

The contractor shall maintain the hardware and software necessary for the evaluation models mentioned above, and shall allow Ginnie Mae users access to its environment for testing and research purposes. This environment will be owned and operated by the contractor, and fewer than four (4) GNMA users will need access at any given time. The contractor shall procure data needed (e.g.Madison.com, University of Chicago, etc) for research and analysis and maintain the data in databases within its environment.

### C.3.6 Task 6 - Financial Reports

# C.3.6.1. Subtask 1 - Value of G-fee cash flows

The contractor shall retrieve the data necessary for the G-Fee valuations from GNMA's pool-processor and/or mortgage backed securities administrators among other sources quarterly. The G-Fee asset consists of the present value of expected guarantee fees for loans in GNMA pools. This data will include outstanding principal balances of both forward and reverse, multifamily and manufactured housing mortgages, servicing fees and expenses, loan terms, escrow balances, and other elements necessary for G-Fee valuations as required by industry standards.

The contractor will perform quality control checks on the data received to ensure data integrity. In the event of data anomalies, the contractor will work with iteratively with the data provider and GNMA by providing feedback on the data anomalies. The contractor will prepare the data for use in the calculations by performing "data-scrubbing" and other error-correction techniques. The contractor will use any of a variety of G-Fee asset valuation methodologies by using industry standard, GAAP compliant, modeling techniques for loans in GNMA pools. GNMA will provide actuarial prepayment tables (by cohort-year of origination) as an assumption-input to the models.

The Contractor shall prepare and deliver a draft and final report quarterly that estimates the present value of g-fee cash flows for loans in Ginnie Mae pools serviced by non-defaulted issuers using Ginnie Mae provided prepayment, default and discount rates.

# C.3.6.2 Subtask 2 - Liability for Loss/Allowance

The contractor shall retrieve the data necessary for the liability for loss valuations from GNMA's master-sub servicers among other sources. The liability for loss/Allowance models are accounting models that estimate the net realizable value and contingent liabilities for GNMA's mortgages held for investment.

This data will include outstanding principal balances of both forward and reverse, multifamily and manufactured housing mortgages, servicing fees and expenses, loan terms, escrow balances, and other elements necessary for liability for loss/allowance valuations as required by GAAP. Additionally, the contractor will provide guidance and document input assumptions as directed by GNMA.

The contractor will perform quality control checks on the data received to ensure data integrity. In the event of data anomalies, the contractor will work with iteratively with the data provider and GNMA by providing feedback on the data anomalies. The contractor will prepare the data for use in the calculations by performing "data-scrubbing" and other error-correction techniques. The contractor shall prepare and deliver quarterly and annual reports that estimate the reserve for loss analysis on Ginnie Mae by establishing a cash flow analysis which includes various components, including servicing fee income, servicing costs, Principal and Interest (P&I) advances, Ginnie Mae loan buybacks, FHA, VA, Rural Development and Public and Indian Housing (PIH) foreclosure costs, applicable interest reimbursements and recoveries.

The contractor shall use any of a variety of industry standard valuation methodologies that are consistent with and compliant with GAAP. GNMA will provide actuarial prepayment tables (by cohort-year of origination) as an assumption-input to the models.

## C.3.7 Task 7 - TRANSITION SERVICES

## C.3.7.1 Subtask 1 - TRANSITION PLAN

The contractor shall prepare and provide an initial transition plan. Once approved, the contractor shall update the plan throughout the term of the task order. The Transition Plan

shall present a methodology detailing how transition will occur from the current contractor(s) to the new contract staff at the beginning of the task order and how transition will occur to the Government or to another contractor at the end of the task order. The transition activities shall minimize both loss of support and cost.

# C.3.7.2 Subtask 2 - TRANSITION-OUT SERVICES

The contractor shall furnish Transition-Out services within sixty (60) days of the end of the period of performance as required. The contractor shall perform all services necessary to transition the work performed under this task order to the Government or another contractor at the conclusion of this task order. The transition shall be performed without any interruption or degradation in any services. The contractor shall perform all transition-out services necessary to provide a smooth and efficient transition.